

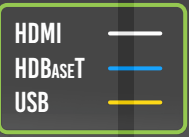


## 100M Uncompressed HDBaseT Extender AC-EX100-444-KIT

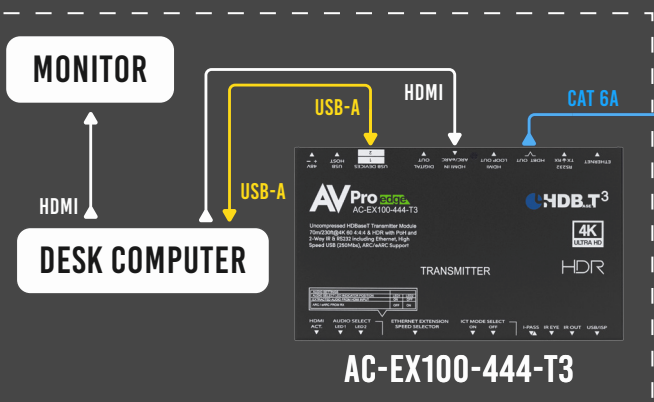
Incorporating a newly designed, highly integrated System on Chip into our venerable AC-EX100-444 platform, we once more extend the boundaries of high performance video distribution with our first HDBaseT Spec 3.0, point-to-point, long-distance Category cable extension package, the AC-EX100-444-KIT. This product introduces for the first time eARC into AVPro Edge extenders and touts an AVPro Edge exclusive 18Gbps Bandwidth-Adaptable Output Configuration, for uncompressed signal transfer or selectable compression using our transformative ICT algorithm, both with near-zero latency. Ethernet is augmented to 1Gbps, enhancing RX unit end-point value. The AC-EX100-444-KIT has evolved into a refined powerhouse of potent features to continue the AVPro Edge tradition for future-forward, backwards compatible, innovative designs with commercial and residential integrators in mind.



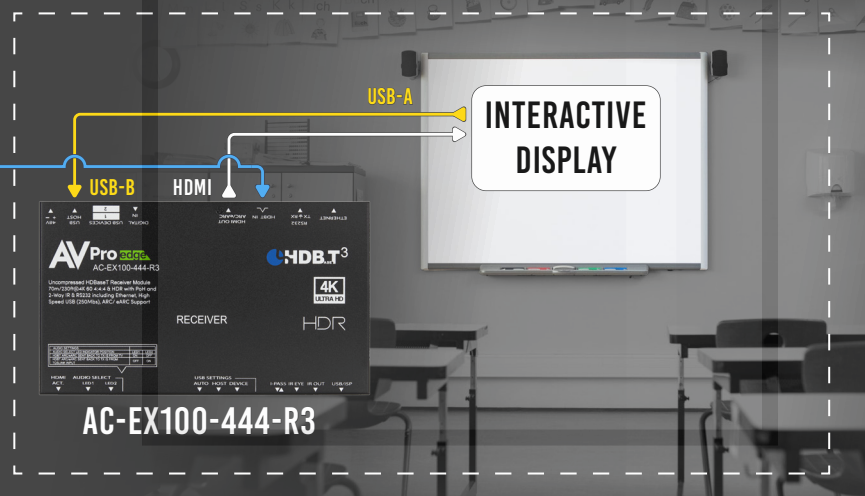
## INTERACTIVE DISPLAY APPLICATION



### CLASSROOM DESK



### BEHIND DISPLAY



## PRODUCT SPECIFICATIONS

VIDEO:	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:4:4
VESA RESOLUTIONS	UP TO DCI 4K (4096X2160)
HDR FORMATS/RESOLUTIONS	420, 422, 444 (10 AND 12 DEEP COLOR) HDR10, HDR10+, DOLBY VISION (24/30 FRAMES), AND HLG
COLOR SPACE	YUV (COMPONENT), RGB (CSC: REC. 601, REC. 709, BT2020, DCI, P3 D6500)
CHROMA SUBSAMPLING	4:4:4, 4:2:2, 4:2:0 SUPPORTED
DEEP COLOR	UP TO 16 BIT (1080), UP TO 12 BIT (4K)
DOWN SCALING	4K (AND HDR) DOWN TO 1080P
AUDIO:	
AUDIO FORMATS SUPPORTED HDMI	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
AUDIO FORMATS SUPPORTED EXTRACTED (TOSLINK, TX ONLY)	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD
ARC/EARC:	
FORMATS SUPPORTED HDMI ARC/EARC OUT TX	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
FORMATS SUPPORTED TOSLINK OUT TX	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD
DISTANCE:	
HDBASET (CAT) DISTANCE (UNCOMPRESSED)	70 METERS / 230 FEET (CAT 6A)
HDBASET (CAT) DISTANCE (USING ICT COMPRESSION)	100 METERS / 330 FEET (CAT 6A)
HDMI LEAD IN/OUT (4K60 4:4:4)	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI LEAD IN/OUT (W/ AOC CABLE) (4K60 4:4:4)	UP TO 130 FEET (USING BULLET TRAIN AOC)
OTHER:	
BANDWIDTH	18 GBPS UNCOMPRESSED (ICT MODE OFF) 10.2 GBPS (ICT MODE ON)
HDCP	HDCP 2.3 AND EARLIER
PORTS:	
HDMI (TX & RX)	TYPE A
HDBASET	RJ45 W/ POH FOR HDBASET RECEIVERS
EXTRACTED AUDIO (TX ONLY, RX IS AN AUDIO INPUT)	TOSLINK
IR TX (TX & RX)	3.5MM MONO (2 CONDUCTOR)
IR RX (TX & RX)	3.5MM STEREO (3 CONDUCTOR)
RS232 (TX & RX)	3 PIN TERMINAL BLOCK
POWER (TX & RX)	2 PIN TERMINAL BLOCK
ETHERNET (TX & RX)	*4 RJ45 CONNECTIONS (10/100)
USB SELECTABLE HOST:	
VERSION	USB 2.0
TX PORT	USB HOST = USB TYPE B (x2) USB TYPE A (x1)
RX PORT	USB HOST = USB TYPE B (x2) USB TYPE A (x1)
ENVIRONMENTAL:	
OPERATING TEMPERATURE	23 TO 125°F (-5 TO 51°C)
STORAGE TEMPERATURE	-4 TO 140°F (-20 TO 60°C)
HUMIDITY RANGE	5-90% RH (NO CONDENSATION)
POWER:	
POWER CONSUMPTION (TOTAL)	12 WATTS MAX
POWER SUPPLY - MATRIX	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 48V 0.5A
DIMENSIONS:	
DIMENSIONS (SINGLE UNIT ONLY WIDTH/DEPTH/HEIGHT)	MM: 196.85 × 103.12 × 25.4 INCH: 7.75 × 4.06 × 1
DIMENSIONS (KIT PACKAGED WIDTH/DEPTH/HEIGHT)	MM: 314.45 × 184.15 × 77.98 INCH: 12.38 × 7.25 × 3.07
WEIGHT (SINGLE UNIT)	1.4 LBS (0.64 KG)
WEIGHT (KIT PACKAGED)	3.8 LBS (1.7 KG)
*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE	

## FULL FEATURE SET

- HDBaseT Spec 3.0 compliant (backward compatible)
- HDMI 2.0
- HDCP 2.3 (support for all previous versions)
- Bandwidth-Adaptable Output Configuration (18Gbps uncompressed or selectable 10.2Gbps compression with ICT, for compromised wiring infrastructure)
- 100 Meters (328ft) with 1080P (Cat 6a)
- 100 Meters (328ft) with 4K/60 4:4:4, HDR) (Cat 6a)
- Dolby Vision, HDR 10, HDR10+ Support
- Near-zero signal latency (less than 8ms)
- Comprehensive EDID management with EDID copy
- Audio Extraction (PCM 2 CH L/R when source is set to output 2 channel audio).
- 4K>1080p mixed system rescaling, including with HDR
- 1080p & 4K test patterns built-in for troubleshooting
- 1 Gbps Ethernet Capability (10/100)
- USB 2.0, 390Mbps support for KVM functions
- Bi-directional 48v PoH (Power Over HDBaseT, only one power supply required)
- I-Pass feature for control system “pass-through”
- 3-20v protection circuit built in for safe IR transport
- Bi-directional RS232 Transport
- Ultra-slim, low-profile chassis form factor (.47 inch/12mm)
- eARC support (all high bitrate and immersive audio formats)
- Supports uncompressed PCM 2- Ch., LPCM 5.1 & 7.1, Dolby Digital,
- DTS, Dolby TrueHD, DTS HD-Master Audio, Atmos on HDMI
- ESD protection circuitry (Inputs & Outputs) to 7KV
- Cascadable (“daisy chain” for extended distances)
- LED Status, Link, Power indication lights

